

# POSITIVE SYSTEMS

## ADAR System 5500, Multispectral 1-Meter Data Set

### PHASE II - Data Specifications

Specifications	MOS-G1 Georeferenced Mosaic 12-bit
Post-Flight Correction	<ul style="list-style-type: none"><li>• See the IM-Rli-55 specifications for Pixel Co-Registration</li><li>• Correction for lens vignetting effects</li><li>• Radiometric adjustment for sensor nonuniformities.</li><li>• Dark current Subtraction: Subtract dark frame current value (on a pixel-by-pixel basis)</li></ul>
Spectral Band Pass (blue)	450 - 515nm
Spectral Band Pass (green)	525 - 605nm
Spectral Band Pass (red)	630 - 690nm
Spectral Band Pass (NIR)	750 - 900 nm
Radiometric Quantization	12-bits per spectral channel
Radiometric Accuracy & Stability	<ul style="list-style-type: none"><li>• No radiometric accuracy specified. Radiometric normalization between flight lines should be performed to enhance visual quality of product.</li></ul>
Spatial Resolution and Image Quality (at all field angles)	<p><b>Benign Terrain:</b></p> <ul style="list-style-type: none"><li>• Terrain Change: under 200m, along any flightline</li><li>• Mosaic Accuracy: Error smaller than 12.2m across at 90% of ground control points</li></ul> <p><b>Rugged Terrain:</b></p> <ul style="list-style-type: none"><li>• Terrain Change: 201m to 750 meters, along any flightline</li><li>• Mosaic Accuracy: Error smaller than 33m across at 90% of ground control points</li></ul> <p><b>Extreme Terrain:</b></p>

	<ul style="list-style-type: none"> <li>● Terrain Change: 751m to 1500m, along any flightline</li> <li>● Mosaic Accuracy: Error smaller than 50m across at 90% of ground control points</li> </ul> <p><b>Severe Terrain:</b></p> <ul style="list-style-type: none"> <li>● Terrain Change: &gt;1501meters, along any flightline</li> <li>● Mosaic Accuracy: No guaranteed geolocation accuracy</li> <li>● No guarantee of complete coverage</li> <li>● Contractor will use best efforts to provide a usable mosaic</li> </ul>
Image File Format	Formats compatible to accepted image analysis packages such as ArcInfo, ERDAS Imagine, ENVI and ER Mapper
Metadata File Format	Intermediate level ECS Metadata Std.
Percent Cloud Cover (site)	Less than 10% across full dataset
Absolute Geolocation Accuracy	See accuracy's listed above
Resampling Algorithm	Most Appropriate